bio-protocol Preprint

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Single-molecule fluorescence in situ hybridisation (smFISH)

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An abbreviated version of this protocol was published in eLIFE in Jan 2022

Absolute quantitation of individual SARS-CoV-2 RNA molecules provides a new paradigm for infection dynamics and variant differences

DOI: 10.7554/eLife.74153

Detailed protocol

Thank you for requesting further detailed protocol used in our paper.
We have attached step-by-step protocols for (1) the single-molecule fluorescence *in situ* hybridisation (smFISH) procedure in tissue culture cells and (2) the synthesis of smFISH probes.

Kind regards.

Related files

- Protocol 1 - smFISH for COVID tissue culture cells.pdf
- Protocol 2 - smFISH probe synthesis.pdf

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Lee, J. Y., Wing, P. A., Castello, A. , McKeating, J. and Davis, I. (2022). Single-molecule fluorescence in situ hybridisation (smFISH). Bio-protocol Preprint. bio-protocol.org/prep1716.
2. Lee, J. Y., Wing, P. A., Gala, D. S., Noerenberg, M., Järvelin, A. I., Titlow, J., Zhuang, X., Palmalux, N., Iselin, L., Thompson, M. K., Parton, R. M., Prange-Barczynska, M., Wainman, A., Salguero, F. J., Bishop, T., Agranoff, D., James, W., Castello, A., McKeating, J. A. and Davis, I.(2022). Absolute quantitation of individual SARS-CoV-2 RNA molecules provides a new paradigm for infection dynamics and variant differences. eLIFE. DOI: 10.7554/eLife.74153

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